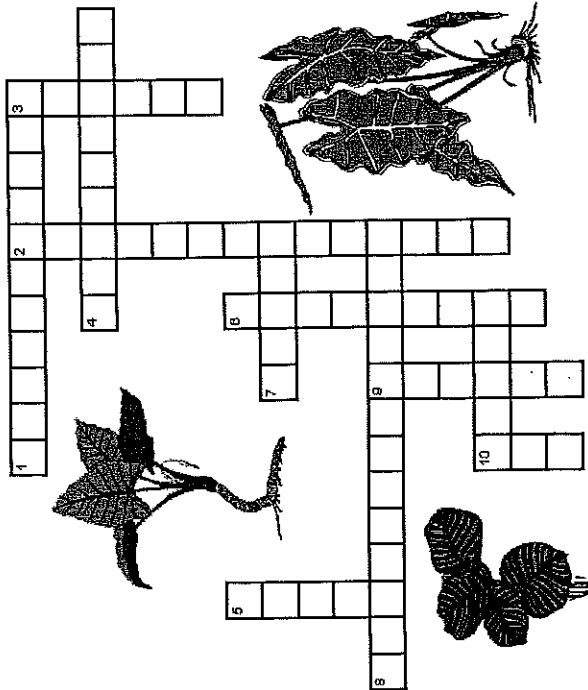


PHOTOSYNTHESIS



Across

- 1 A plant pigment that absorbs sunlight. (11)
- 4 The links between the energy that carnivores get from eating to the energy captured by photosynthesis. (4,5)
- 7 Chlorophyll absorbs every color of sunlight except this. (5)
- 8 A compound needed for photosynthesis. (6,7)
- 10 The product of photosynthesis. (5)

Down

- 2 The process by which plants and some bacteria use the energy from sunlight to produce sugar. (14)
- 3 Part of the plant where photosynthesis generally occurs. (6)
- 5 A compound needed for photosynthesis. (5)
- 6 An animal that eats plants. (9)
- 9 A by-product of photosynthesis. (6)
- 10 Number of molecules of oxygen produced along with one molecule of sugar. (3)

The Story of Photosynthesis

Read the story of photosynthesis below. Fill in each line with the word from the box that best completes the sentence.

chlorophyll	oxygen	roots	carbon dioxide
chloroplast	hydrogen	oxygen	sugars

Sunlight hits the leaf of a plant. The _____ in the leaf captures the sunlight and keeps it. The chlorophyll is contained in a(n) _____. Water enters the plant through the _____. As the sun hits the leaf, it helps the plant split the water into two parts: _____ and _____. The hydrogen then combines with _____ to form simple sugars. The plant uses the _____ as food. As the process of photosynthesis takes place, the plant releases _____ into the air. The oxygen is then used by animals.

